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<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/618,551	YONEDA ET AL.	
	Examiner	Art Unit	
	Guiyoung Lee	2875	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/31/2005.
2. ☒ The allowed claim(s) is/are 21-52.
3. ☒ The drawings filed on 11 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

## **DETAILED ACTION**

### ***Prelim./Amdt.***

1. Receipt is acknowledged of the amendment filed 01/31/2005.

### ***Allowable Subject Matter***

2. Claims 21-40 are allowed.
3. The following is an examiner's statement of reasons for allowance: With regard to independent claims 21 and 45, the prior art of record fails to disclose a light irradiating unit, configured as claimed, wherein the LED in an elementary substance can flow electrical current not lower than 200mA through 300mA in a stationary state. With regard to claims 25 and 49, the prior art of record fails to disclose a light irradiating unit, configured as claimed, wherein an elastic member is arranged between at least one of the first and the second pressing faces and the LED. With regard to independent claim 29, the prior art of record does not disclose a light irradiating unit, configured as claimed, wherein the positioning arrangement makes use of a ring portion mounted on the housing and positions the LED by inserting the LED into a center through hole of the ring portion without a slack accompanied by joining the first housing element to the second housing element. With regard to independent claim 33, the prior art of record does not disclose a light irradiating unit, configured as claimed, wherein the positioning arrangement makes use of a ring portion mounted on the housing and positions the LED by inserting the LED into a center through hole of the ring portion without a slack accompanied by joining the first housing element to the second housing element, and an inner face of the ring portion is a mirror finished conic concave face and the ring portion has a function to guide light forward. With regard to claim 37, the prior art of record fails to disclose a light irradiating unit, configured as

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claimed, wherein the LED in an elementary substance can flow electrical current not lower than 200mA through 300mA in a stationary state, and the second hosing element comprises a wall and a projecting a body projecting from the wall along the axial line, the LED is mounted on an annular substrate, and the second pressing face set at a distal end of the projecting body that penetrates a center hole of the substrate is tightly attached to a bottom face of the LED directly or through a heat conduction member. With regard to claim 41, the prior art of record fails to disclose a light irradiating unit, configured as claimed, wherein the second hosing element comprises a wall and projecting a body projecting from the wall along the axial line, the LED is mounted on an annular substrate and the second pressing face set at a distal end of the projecting body that penetrates a center hole of the substrate is tightly attached to a bottom face of the LED directly or through a heat conduction member, and an elastic member is arranged between at least one of the first and the second pressing faces and the LED. Claims 22-24, 26-32, 34-36, 42-44, 46-48, and 50-52 depend from claims 21, 25, 29, 33, 37, 41, 45, and 49. Therefore, claims 21-52 are patentable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guiyoung Lee whose telephone number is 571-272-2374. The examiner can normally be reached on M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Sandra O'Shea  
Supervisory Patent Examiner  
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